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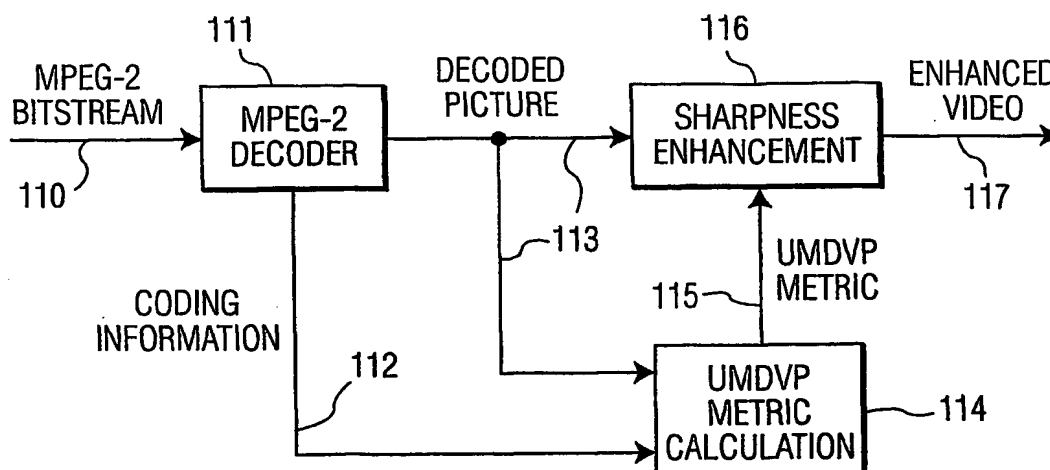
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(54) Title: A UNIFIED METRIC FOR DIGITAL VIDEO PROCESSING (UMDVP)



(57) **Abstract:** The present application develops a unified metric for digital video processing (UMDVP) to control video processing algorithms. The UMDVP metric is defined based on coding information of MPEG encoded video for each pixel in a frame. The definition of the UMDVP metric includes local spatial features. The UMDVP metric can be used to control enhancement algorithms to determine how much a pixel can be enhanced without boosting coding artifacts. It can also be used to instruct artifact reduction algorithms where and how much reduction operations are needed.

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